

## Synergistic mixture of essential oils or essences

Bibliographic data	Description	Claims	Mosaics	Original document
INPADOC LEGAL status				

Patent number: CH688787 (A5)

Publication date: 1998-03-31

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Classification:

- international: A01N65/00; A01N65/06; A01N65/08; A01N65/10; A01N65/12; A01N65/20; A01N65/22; A01N65/28; A01N65/36; A01N65/44; A01N65/48; A61K8/92; A61K36/00; A61K36/13; A61K36/15; A61K36/185; A61K36/53; A61K36/534; A61K36/61; A61K36/886; A61Q5/02; A61Q19/00; A01N65/00; A01N65/06; A01N65/08; A01N65/10; A01N65/12; A01N65/20; A01N65/22; A01N65/28; A01N65/36; A01N65/44; A01N65/48; A61K8/92; A61K36/00; A61K36/13; A61K36/185; A61K36/88; A61Q5/02; A61Q19/00; (IPC-1-7): A01N65/00; A61K7/40; A61K35/78

- european: A61Q19/00; A01N65/00; A01N65/06; A01N65/08; A01N65/10; A01N65/12; A01N65/20; A01N65/22; A01N65/28; A01N65/36; A01N65/44; A01N65/48; A61K8/92C; A61K36/13; A61K36/15; A61K36/185; A61K36/53; A61K36/534; A61K36/61; A61K36/752; A61K36/886

Application number: CH19950002515 19950905

Priority number(s): CH19950002515 19950905

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### Abstract of CH 688787 (A5)

A composition (A) contains \- 2 natural essential oils and/or essences with a synergistic action in the biological, physiological and/or psychic areas of the organism. Also claimed is a composition (B) in the form of a concentrate, sprayable or dispersible diluate or aqueous and/or alcoholic liquid, oil, emulsion, cream, paste, gel or ointment, containing 0.5-99 (preferably 1-10) wt.% (A). Preferably (A) contains 3-8 essential oils selected from ginger, cedar, clove, templin, ylang-ylang, fennel, balm mint, benzoin, peppermint, geranium, bergamot, tagetes, cardamom, tea-tree, frankincense (olibanum), marjoram, lavender, eucalyptus, patchouli, sage, caraway, cajeput, thyme, peru balsam, lemon, sandalwood, rosemary, citronella, myrrh, cypress, orange blossom and/or vetiver oils. (A) optionally further contains one or more of: (i) an additional plant extract as active agent,

preferably from Calendula, Urtica urens, Echinacea, Millefolium, Hamamelis, Aristolochia and/or Symphytum; (ii) \- 1 carrier and/or solvent selected from natural vegetable oils; balsams; fats, resins or waxes; and alcohols and (iii) one or more auxiliaries selected from binders, emulsifiers and carriers, surfactants, antioxidants and additional care components (e.g. vitamins A, B, C and E).

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The invention relates to natural Essenzen and/or natural ethereal \ le contained compositions, which find für/an humans, animals, plants and/or an/in their environment use.

It is known that natural Essenzen and/or natural ethereal \ le various effects on organisms can unfold. With the humans and with animals physical or psychological effects become observed, which through topical jobs of the active ingredients on the skin, over mouth mucous membrane and digesting system or by uptake of the fragrance over the nasal mucosa effected become. Also with plants it is to be decreased known germs pathogenic by use of natural Essenzen the number or to be promoted by environment treatment the growth.

The invention is the basis the object, compositions on the basis of natural ethereal \ len and Essenzen to create, which do not have adverse effects on organisms, but serve their protection, care and well-being and the environment do not damage.

It was found now surprising that itself by suitable combination of at least two selected natural Essenzen respectable. ethereal \ le (see. e.g. "Homöopathi dispensatory" or "Ullmanns encyclopedia of the technical chemistry", 3. Edition, Bd. 8, S. 599-606) both the physical and psychological effects of compositions to plant basis synergistically to increase and/or only obtain leave certain effects.

Natural ethereal \ le respective natural Essenzen is generally by Wasserdampfdestillation recovered, usually already lipophilic planting of "fragrances" volatile at room temperature. There is usually no uniform chemical compounds, but mixtures from hydrocarbons, alcohols, aldehydes, Ketonen, which belong to the terpenes and

Phenylpropanderivat to a large extent. Natural ethereal \le must become from perfect starting materials recovered, whereby the distillation careful, not to prolonged and not to rapid and the temperatures not to high to be to be allowed. One only in this way receives those natural ethereal \le, with whose assistance the synergetic effects of the compositions according to invention achieved to become to be able.

Since the natural Essenzen is heterogeneous composed from various chemical components, they point a variety different effects up to among other things bakterio-statischer/bactericidal and/or fungo-statischer/fungicidal as well as antibiotic type.

From that about 150 various natural ethereal \and/or natural Essenzen, which is available today, len is the subsequent for the compositions according to invention of particular importance: Ginger, Zeder, spice carnation, Latschenkiefer, Ylang Ylang, Fenchel, Melisse, Benzoe, peppermint, Geranium, lemon, Bergamott, Tagetes, Kardamom, dte tree, Weihrauch (Olibanum), Majoran, Lavendel, eucalyptus, Patchouli, Kümmel, Cajeput, Thymian, Salbei, Peru balsam, lemon, Sandelholz, Rosmarin, Citronelle, Myrrhe, Zypresse, orange bloom and Vetiver.

As active ingredients for the compositions according to invention leaves itself additional also Urinkturen, that out e.g. is aqueous, undiluted plant excerpts of respective extracts, recovered. Calendula, Urtica urens, Echinacea, Millefolium, Hamamelis, Aristolochia, Symphytum and others in combination with natural ethereal \len use.

As solvents for the natural ethereal \le of the inventive compositions come natural vegetable \le, Balsame, resins, fats and/or alcohols, mineral waters, emulsions into fat and water (as for example milk) and/or distilled water into question.

As suitable natural vegetable \le comes the subsequent \le in particular into question: Vegetable \le recovered out e.g. Palm, Boretschsamem, rice, rice germ, almond, olives, soya, sunflower, Patchouli, corn germ, Johanniskraut, Rizinus, Raps, thistle, night candles, Jojoba, Avocado, lecithin, Ringelblume, aloe vera, flax seeds, wheat germ, Cocos and peanut.

In addition, the natural ethereal \le can become in vegetable or animal fats, resins or wax such as beeswax, wool grease, cocoa butter and/or Jojobaöl dissolved.

In addition, the vegetable or animal \le, fats, resins or wax know the duration of effect and/or the detention effect the ethereal \le at the organism and/or subject-matter which

can be treated and/or in/an their environment (e.g. by formation of an tough-adherent film) increase.

As alcohols come in particular ethyl, Isopropyl, Propyl and cetyl into question. The alcohol, in addition, waters, can besides as atomization aids serve.

Under the variety at concrete available compositions according to invention on various applications the most diverse additional adjuvants can be of importance. As adjuvants can e.g. Bonding agent, emulsifiers or inertial materials like e.g. Amino acid derivatives, e.g. Soy protein, lactalbumin, casein, Lecithin or collagen, from natural raw materials of recovered surfactants and/or Antioxydantien respectable. Components with e.g. additional care effect, like e.g. Vitamins A, B, C and E, used become.

/The biological type physiological by targeted selection of the natural ethereal \ le amplified effects can be, antimicrobial, antiviral, antiseptic in particular, antibiotic, bactericidal, bakterio-statischer, disinfecting, fungicidal, fungistatischer, anti-parasitic, more antiinflammatory, skin care that, it's more mitigating, healing, growth and/or blood circulation-promoting type.

Those targeted selected natural ethereal \ le with the mutual complementary respective strengthening physiological/biological and psychological effects result compositions according to invention, which are suitable for the use bei/an humans, animals, plants and/or in/an their environment.

Depending upon type of use ethereal \ le in the compositions according to invention undiluted become or in mixtures/compositions/agents with approx. 0.5-99 Gew. -, 1-10 Gew favourable-prove % - %, used, in the form of concentrates, sprayable and/or sputterable Dilutionen, like aqueous and/or alcoholic liquids, or in the form of sprays, \ len, emulsions, Crèmes, pastes, gels, ointments among other things

The suitable compositions according to invention can with animals e.g. to the skin care, to the Wundversorgung, as anti nibbling means, as care shampoo or as shampoo against parasite infestation, to the care of animal paws, to the Desodorieren and/or. Disinfect etc. from Katzenklos and the premises, in which animals are, against Bepinkeln and labeled ones of subject-matters or as protection of läufiger dogs before Rüden, for calming, for strengthening. used become.

With the humans suitable compositions according to invention are suitable for example as toiletry, cosmetic agent, as pharmaceutical agents and/or agents for the application in the

environment, in various dosage forms such as pumping sprays, drops, lotions and/or Crèmen etc.

Agent against body smell, agent against stress and/or to the relaxation, agent against dry and/or cracked skin, agent to contactors before and/or against parasite infestation like e.g. Fleas, lice, mites, mosquitoes, brakes, flies, wasps and/or other insects and/or parasite, agent against matte, brittle and/or dry hair, agent to the disinfection of insect bites, combustions, sections, bites and/or other injuries and/or inflammations, agents to the promotion of the Wundgranulation, agents for strengthening, to the promotion of digesting and/or the metabolism, for stabilization Immunsystems and/or. the defense forces, agents to the Desodorieren and/or disinfecting Klos, subject-matters, the premises and loci, in/an those humans are, or in their environment, as tranquilizer and so on. continue to clarify the application possibilities.

Conceivable embodiments are thereby for example a Antistress Deo, during whose composition biological and psychological factors are to be considered, and/or shampoos, soaps, bath salts, anti mosquito means, lipstick, daily and Nachtcrèmen, Nagellack, perfume, disinfection and Wundpflegemittel etc. and/or general drugs on the basis of the flavour therapy respective on the basis of natural Essenzen and/or natural ethereal \ len.

In the plant world the effect respective spectrum of use is to be described in a general manner to the animal-rich and/or human range: For example suitable compositions according to invention can become plant protection and/or the plant stature promotion used. The uptake the ethereal \ le can take place via Aufsprühen on the plant, via addition to the splash-water via surrounding soil and/or by means of the ambient air as "fragrance". Depending upon choice the natural ethereal \ le can become the bloom and/or fruit or root growth promoted. By the vigorous of the plant its resistance becomes enlarged against pests.

Furthermore suitable compositions according to invention in the environment of humans, animal and/or plant, on/of subject-matters, by spaces and/or by room air, can become by water used. For example as cleaning agent, leather preservative agent, to the room air (e.g. also in the form of smell strips) and open-rir swimming pool treatment, - cleaning respective - disinfection, to the basin care and/or general to the water and/or air treatment, purification or disinfection, as agents to the care/treatment of subject-matters and/or materials like e.g. Leather, wood and/or textiles etc.

In the following some exemplary embodiments of the compositions according to invention become more near performed.

### Example 1

10 Gew. - % Essenzengemi (mixture from ethereal \ len), existing from 3 parts ginger, 2 parts Pfefferminz, 2 parts lemon, 1 part Sandelholz, 1 part spice carnation, 1 part Lavendel, 60 Gew. - % isopropyl alcohol (99%) and 30 Gew. - % mineral waters become mixed with one another and filled into a pumping spray box. The composition e.g. protects. Household effects, dressings, injuries of animals by smell sign repellent for animals and a simultaneous fragrance calming down for animals leaks out, so that those is dammed nibbling and claw sharpening frequent underlying nervousness, without impairing the sense of smell of the animals.

The effect is the basis the subsequent cause: Lavendel calms down and Sandelholz amplified and harmonizes this behavior, whereby the additional duration of effect becomes extended. The animal does not become simple quiet provided, but it loses its nervousness while maintaining a lightened mind situation. Besides hold the bitter materials ginger the animal from the Beknabbern, Belecken of the subject-matters or also the paws. Similar ones work carnation, lemon and peppermint, whatever additional antibiotic respective antibacterial effects exhibit. Due to the selected good quality the natural ethereal \ le and the other adjuvants cannot also the ingestion taking place in individual cases by leakages damage cause.

The composition became tested at 30 dog patients of a medical practice during one control period of 6 months. It became the composition on the paw federations, seams, injuries of the tested animals sprayed. Abgeleckt in over 70% of the cases these no more angeknabbert respective.

### Example 2

7 Gew. - % Essenzengemi (mixture from natural ethereal \ len), existing from 3 parts lemon, 2 parts Zeder, 1 part Geranium, 2 parts Lavendel, 2 parts spice carnation, 4 Gew. - % almond oil, 8 Gew. - % Fluidlezhitin (with lanes of vitamin E), 81 Gew. - % water surfactant mixture as basis for the shampoo) mixed and into a bottle filled becomes. The shampoo for animals cleans carefully and freed of fleas, lice, ticks, grass mites. Besides it is wax protective pH-neutral and owing to almond oil.

### Example 3

4 Gew. - % Essenzengemi (mixture from natural ethereal \ len), existing from 1 part Geranium, 1 part Lavendel, 2 parts Sandelholz, 41 Gew. - % of a mixture from vegetable \ len, existing from 31 parts Jojoba, 5 parts almond, 5 parts Johannis, 40 Gew. - % isopropanol (99%) and 15 Gew. - % waters become mixed and filled into a container. The composition is suitable for the paw care with dogs. It holds the strong stressed paws healthy and flexible and the reduced paw nibbling. With winter temperatures and with egg, thawing salt and snow forms due to the used \ a lgemisches tough, elastic protective film over the eingesprayten paws. Furthermore the composition works blood circulation-promoting, attraction-mitigating and disinfecting. At the skin dress of the animal, bespray with this mixture, form in the winter of fewer snow lumps (between the paws, at the abdomen, at the legs).

### Example 4

Approx. 1-1.5 Gew. - % Essenzengemi (mixture from natural ethereal \ len), existing from 2 parts lemon, 1 part Zeder, 1 part Geranium, 3 parts eucalyptus, approx. 0.5-1 Gew. - % Johanniskrautöl, 10 Gew. - % isopropanol (99%), 10 Gew. - % bio milk, 78 Gew. - % mineral waters become mixed with one another and filled into a container. The composition is a plant protection agent, and which works both against Schädlingbefall the stronger growth and serves fuller appearance of the plants.

The composition became tested in a market garden. 10 cucumber plants in the midst of a cucumber field of over 100 untreated control plants became sprayed with the composition over a period of 5 weeks 3mal weekly the treatment against flour rope. The case of flour pigeon of the treated cucumber plants lay bottom 20% of the untreated cucumber plants.

By addition of 10 Gew. - % from Brennesseln recovered *Urtica urens* Urtinktur to above composition the effect becomes against lice in the initial stage of the infestation considerably increased.

Similar tests with comparable results became performed at other crops (tomatoes, Sellerie) and ornamental plants (balcony plants) against louse infestation.

#### Example 5

10 Gew. - % Essenzengemi (mixture from natural ethereal \ len), existing from 1 part lemon, 2 parts Zeder, 2 parts Geranium, 2 parts Lavendel, 1 part eucalyptus, 2 parts Latschenkiefer, 35 Gew. - % isopropanol (99%), 2 Gew. - % Jojoba, 18 Gew. - % aloe vera \ l and 35 Gew. - % mineral waters become mixed with one another and filled into a container.

Against insects the effective means became in the high summer in a river/bath area with high brake arising during 7 days 4 test persons in the Badetenue with exception of a leg applied. The treated body-flat contained less than 10% partings of brakes and mosquitoes after 4 hours compared to the untreated skin. Even after repeated bathing within 4 hours the protective effect could become still found.

Similar tests became more primary in the evening hours against Stechmücken, stinging and sucking flies etc. and at treated and untreated sleeping test persons during a longer control period with comparable result performed.